ABSTRACT OF THE DISCLOSURE

A microfiltration filter cartridge which is excellent in a chemical resistance and a filtration stability and does not generate a toxic gas in a burning and discarding process and a method of manufacturing the microfiltration filter cartridge. The microfiltration filter cartridge comprises a micro-porous filtration membrane, supports, a core, an outer cover and end plates, all the components being formed of a polysulfone based polymer, wherein melting molding members in the component is subjected to annealing. Also in the use for the high temperature filtration of isopropanol in a semiconductor manufacturing process or the like, a crack is not generated on the component but a completeness thereof can be maintained suitably.